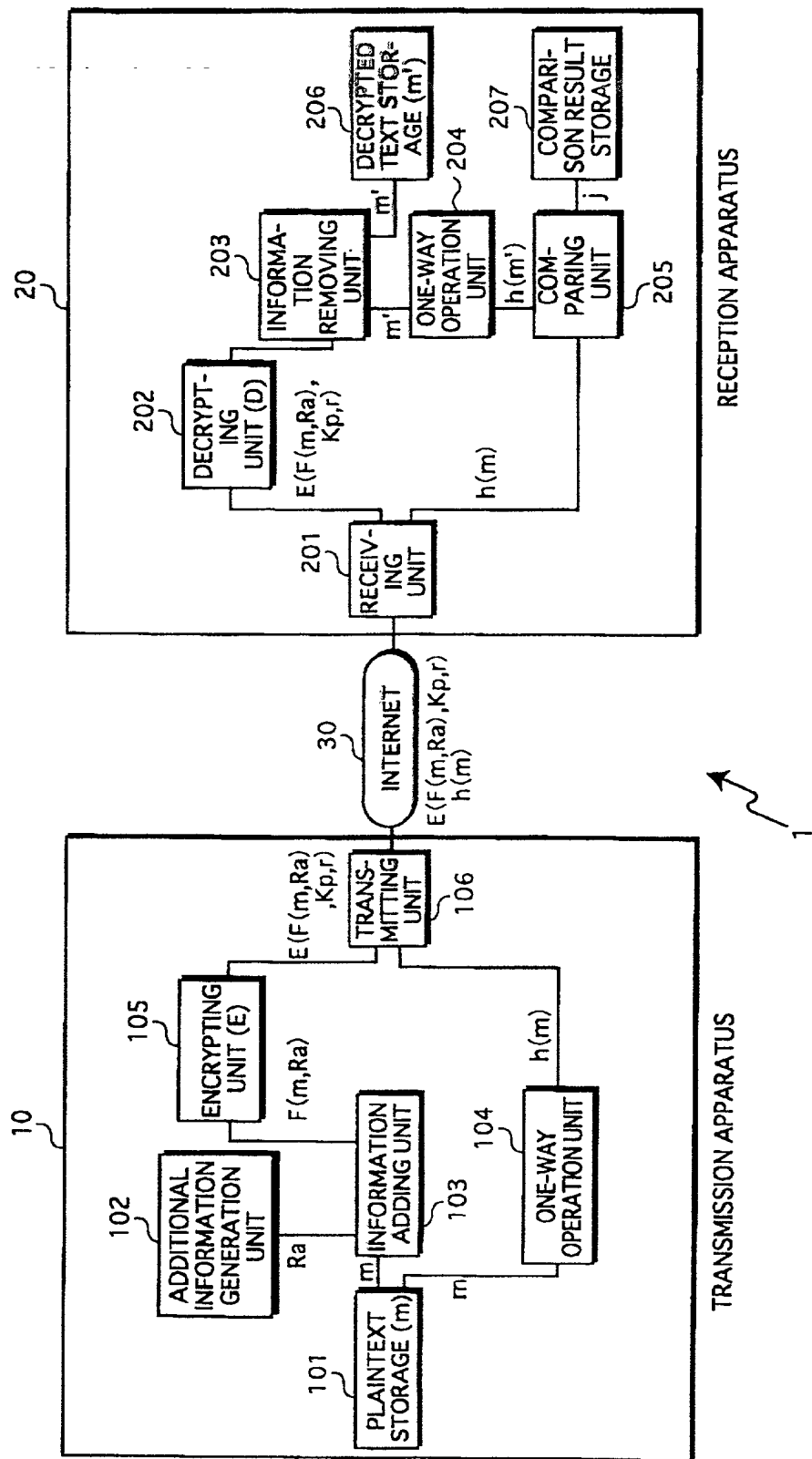


Fig.1



CRYPTOCOMMUNICATION SYSTEM

Fig.2

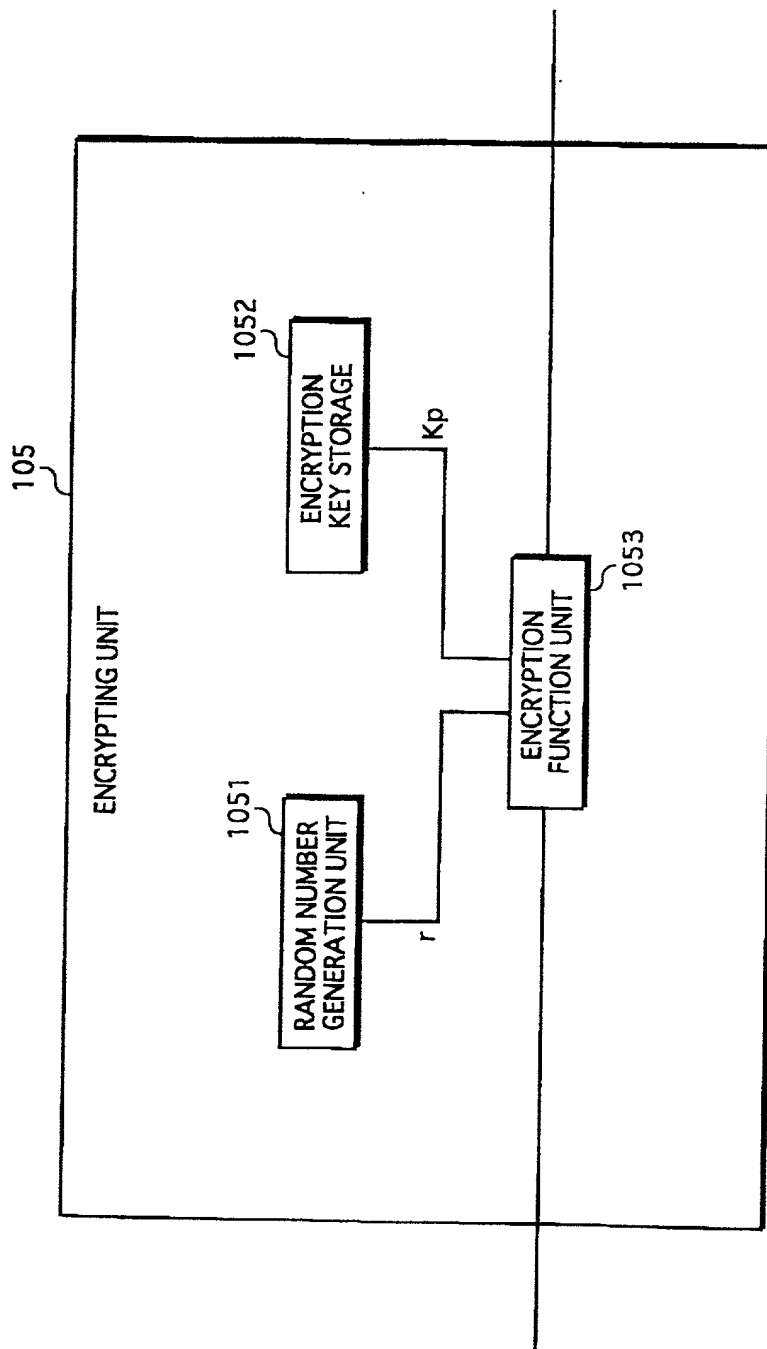


Fig.3

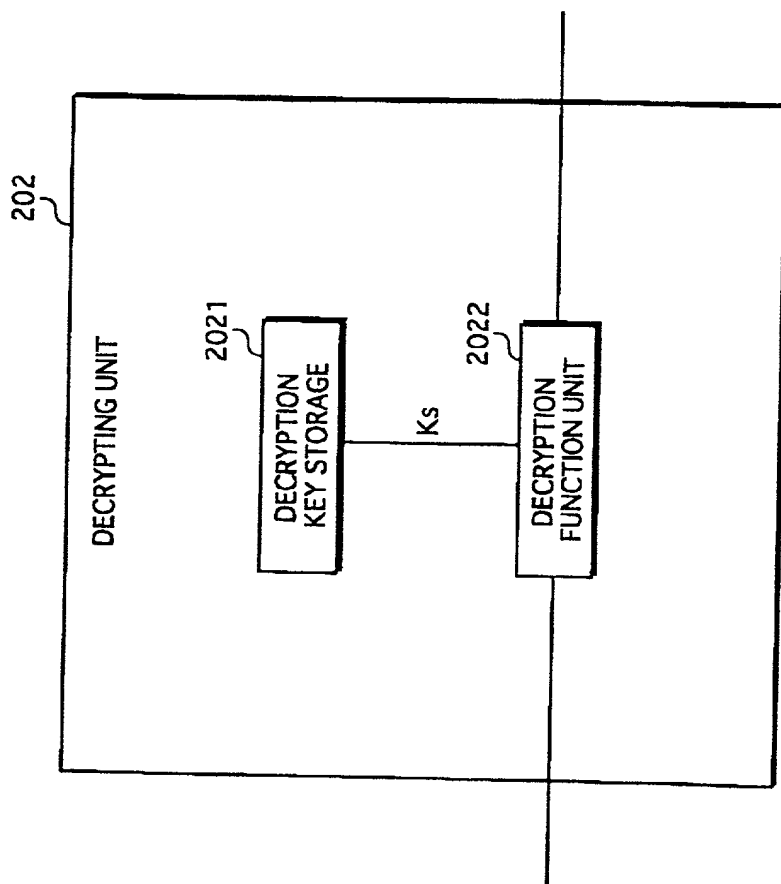


FIG.4

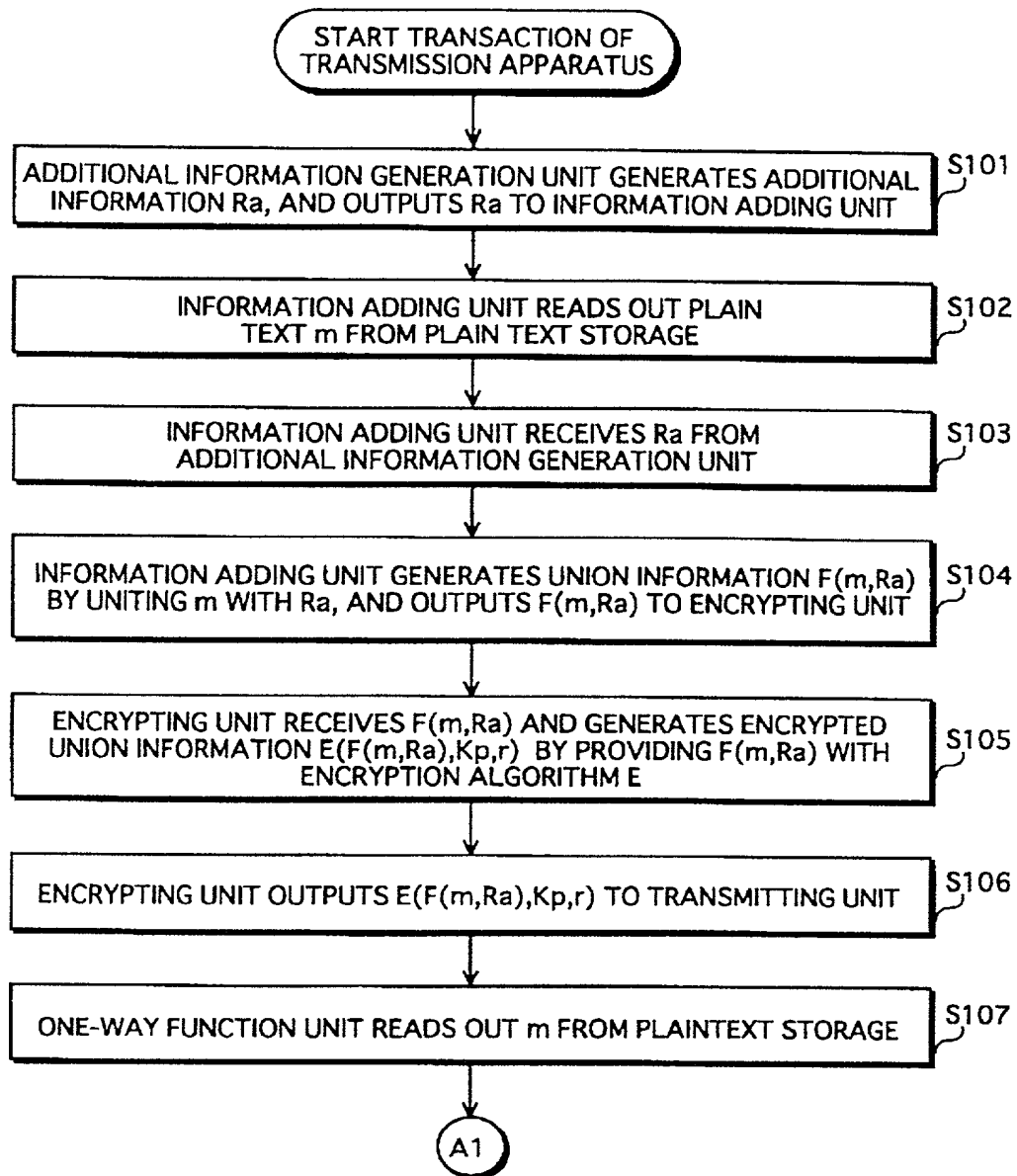


Fig.5

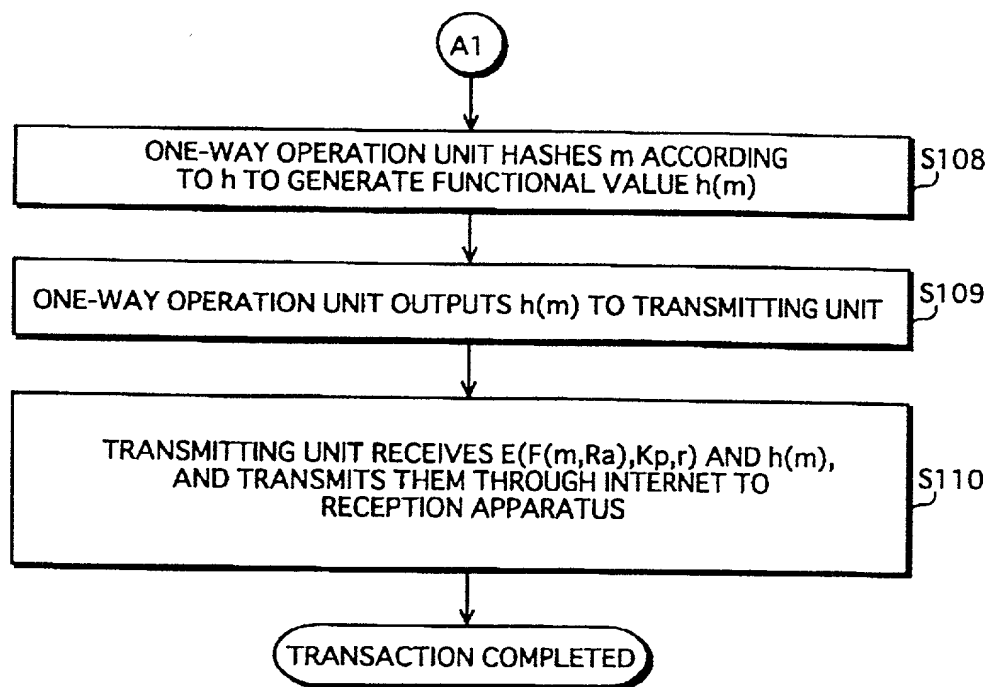


FIG.6

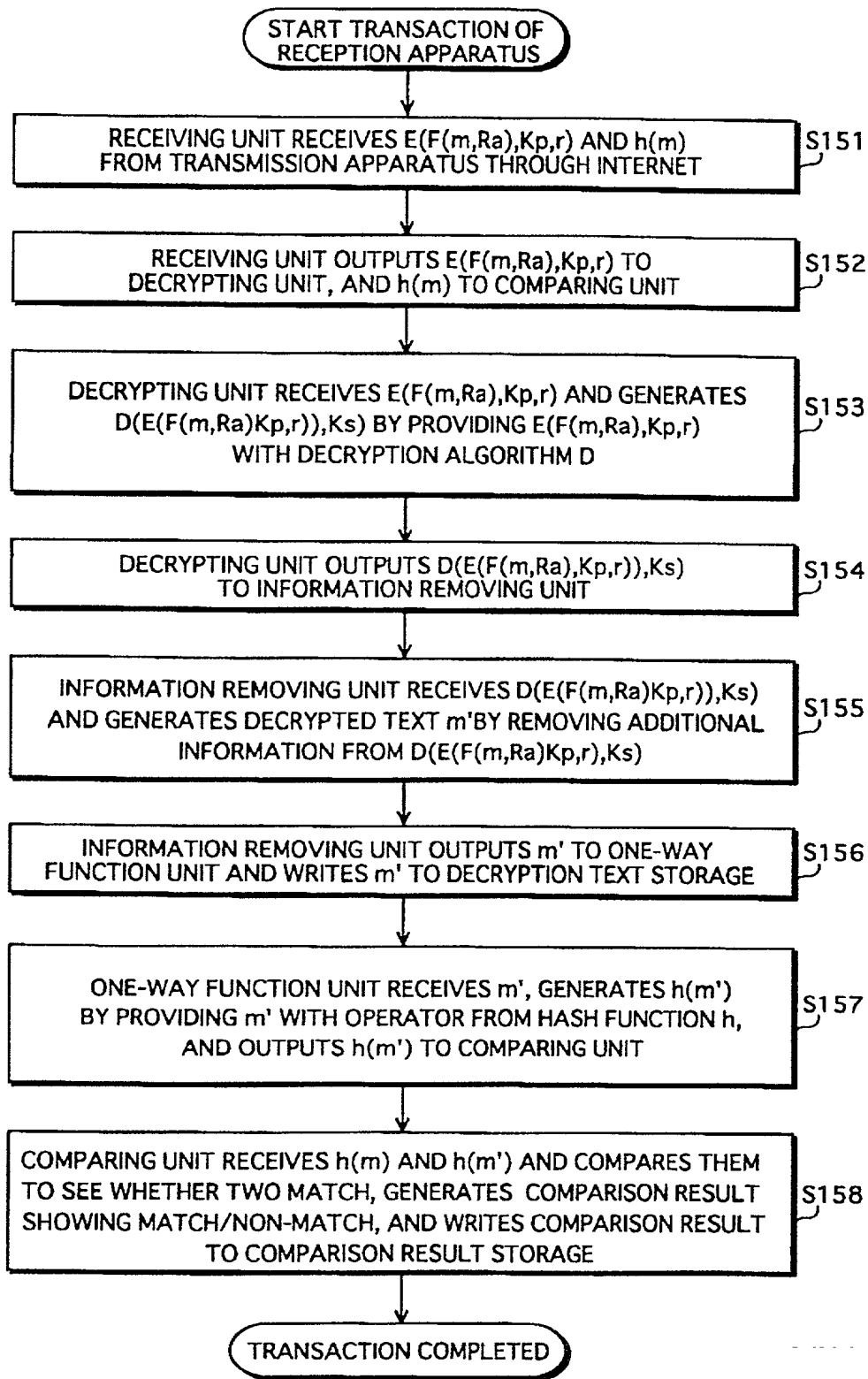
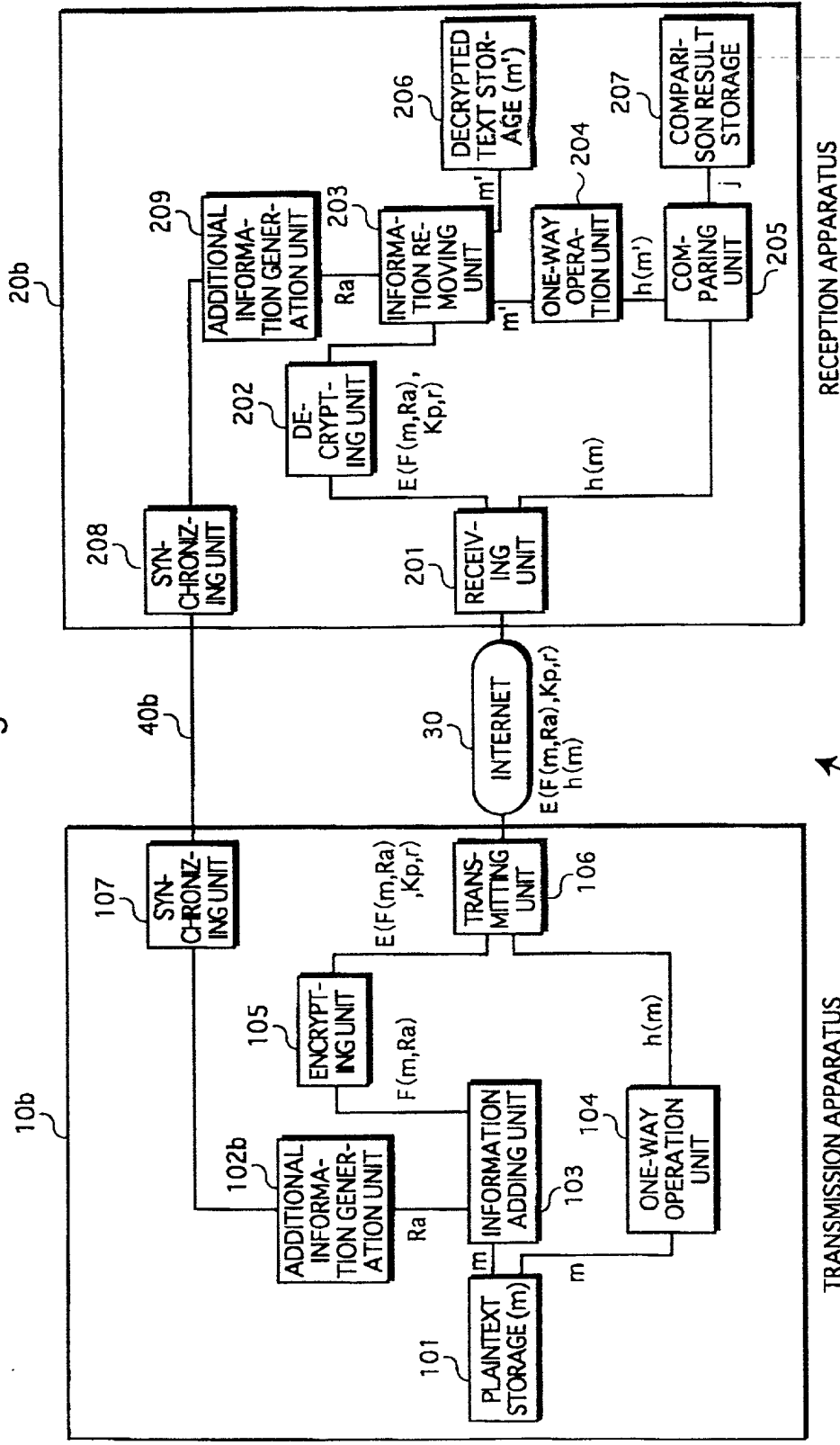


Fig.7

CONVERSION TABLE

INPUT VALUE m	OUTPUT VALUE Tab[Ra](m)
0	122
1	39
• • • • •	• • • • •
255	91

Fig. 8



1b CRYPTOCOMMUNICATION SYSTEM

Fig.9

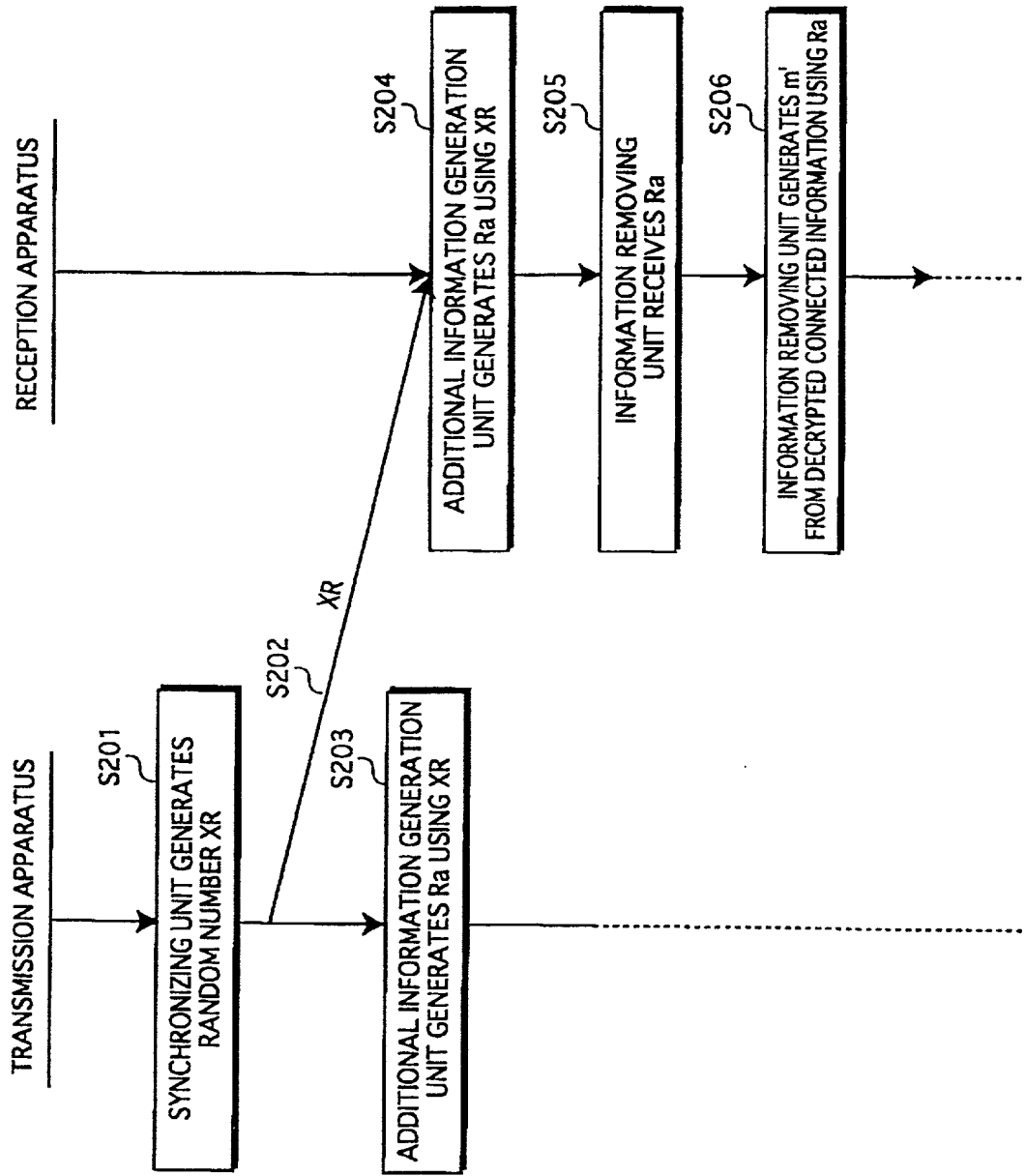


Fig.10

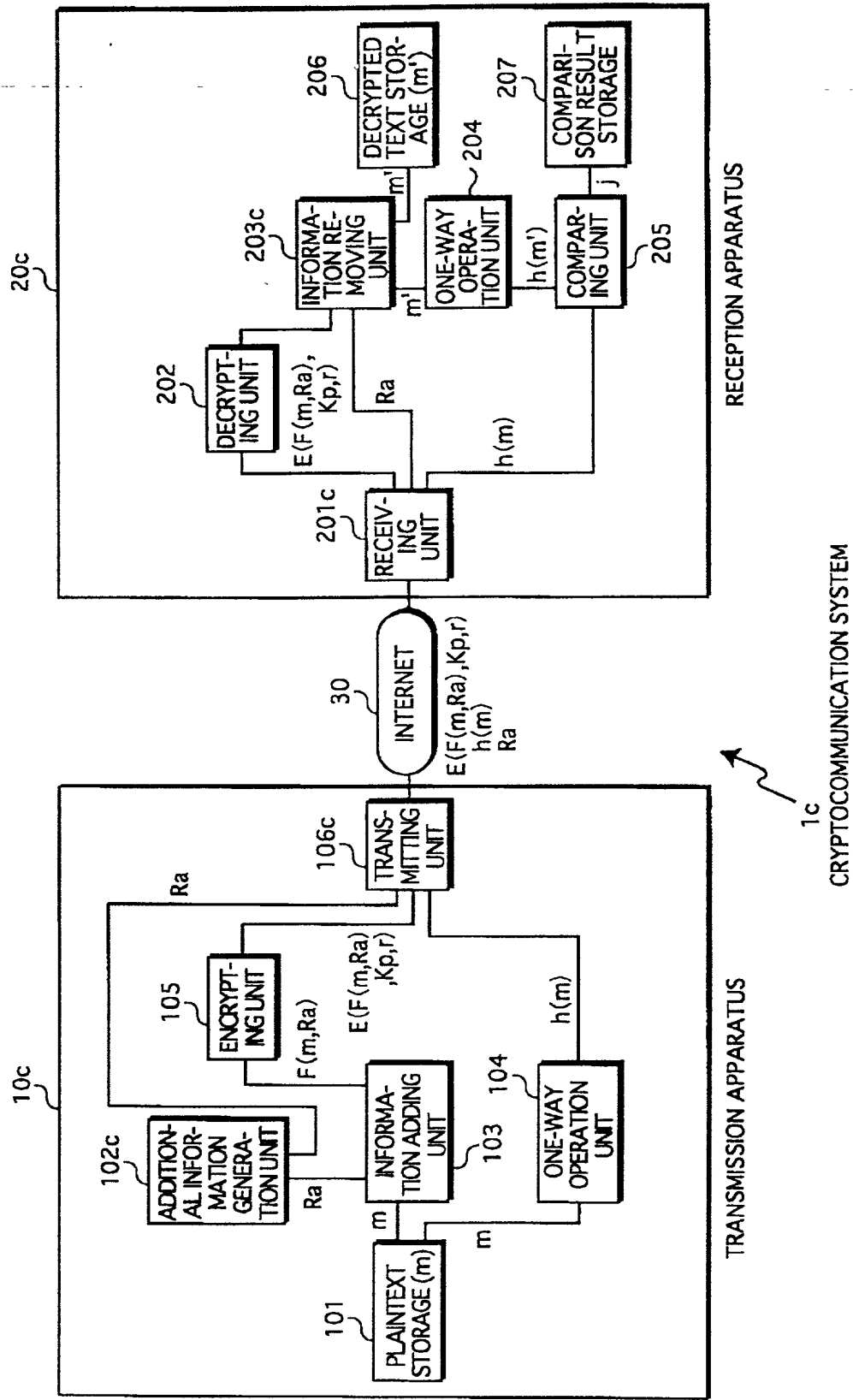


Fig.11

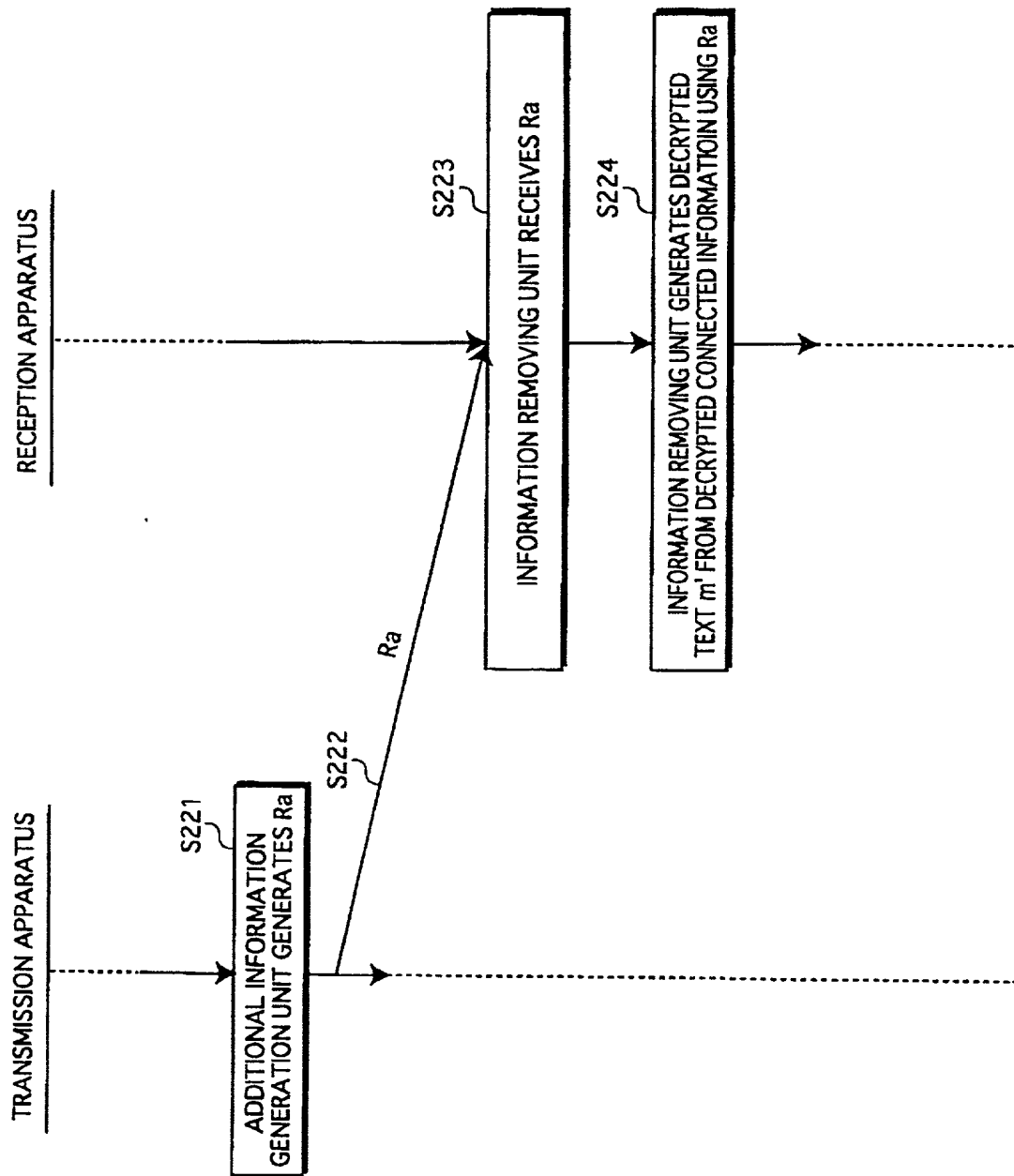


Fig.12

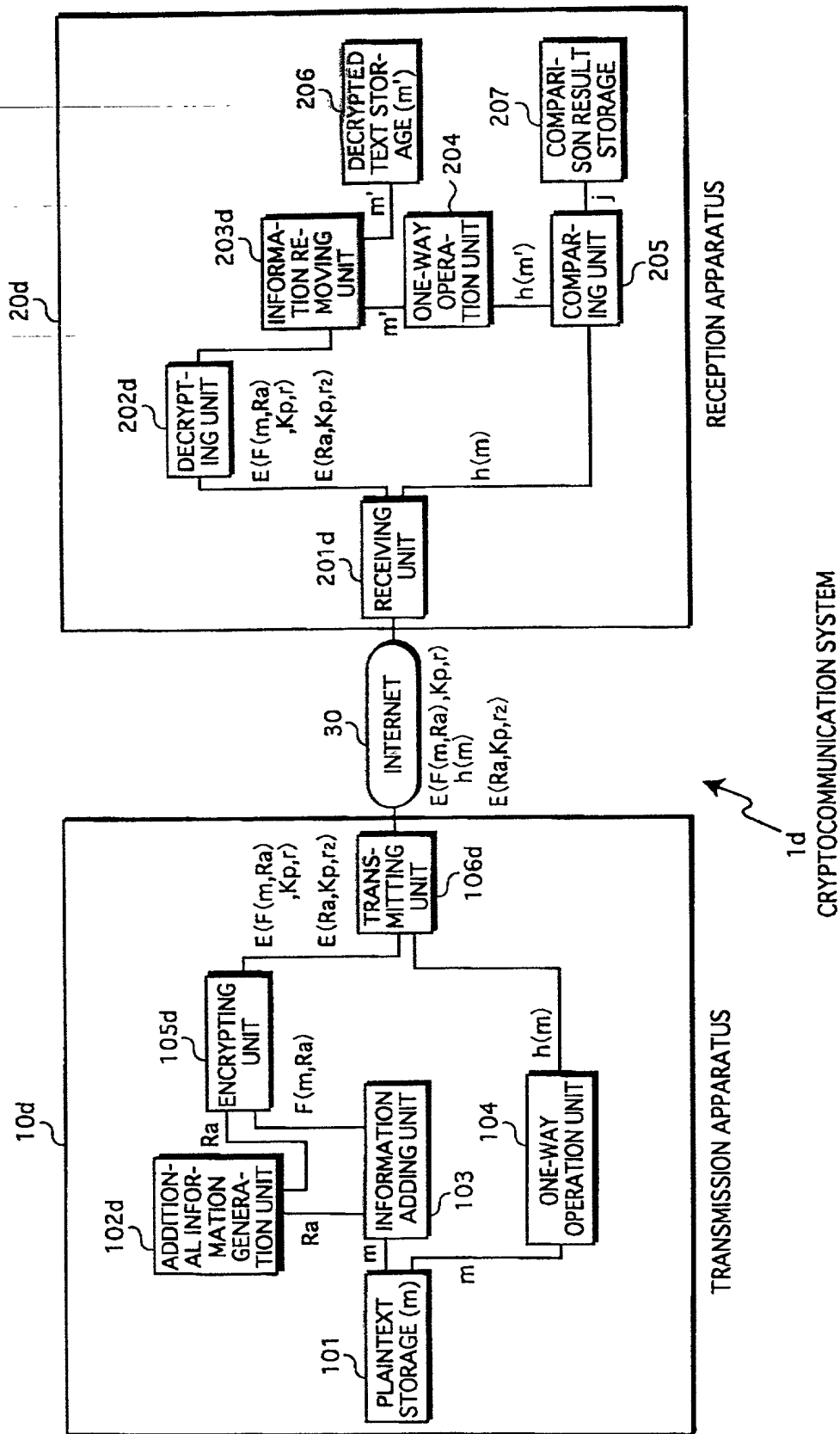


Fig.13

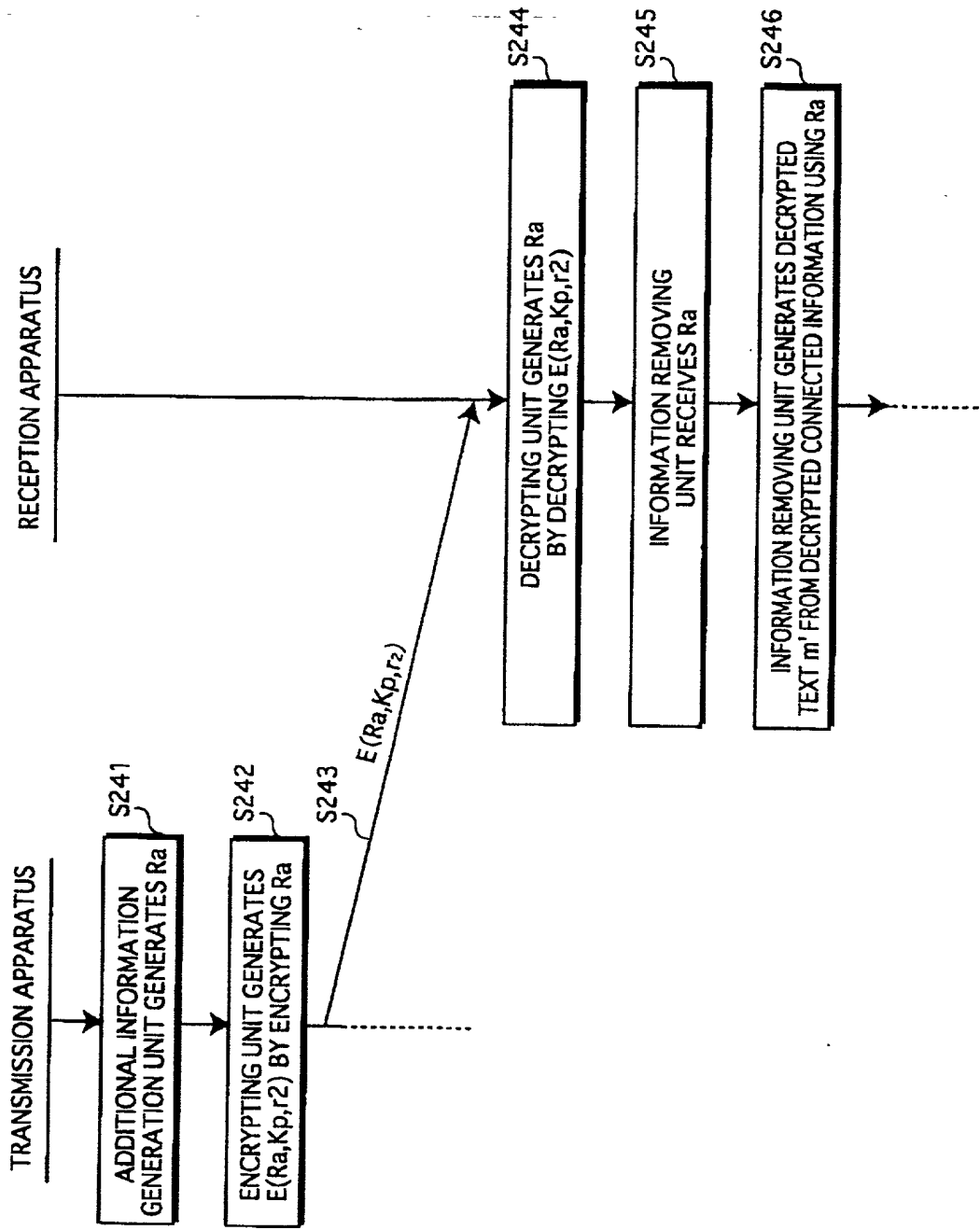


Fig.14

ADDITIONAL INFORMATION INVERTIBLE CONVERSION $F(m, Ra)$	(1)Ra: RANDOM NUMBER	(2)Ra: TIME STAMP	(3)Ra: COUNTER
	CRYPTOCOMMUNICATION SYSTEM 1,1b~1d		
(1) $m Ra$	CRYPTOCOMMUNICATION SYSTEM 1b~1d		
(2) $m \oplus Ra$			
(3) $m + Ra$			
(4) $m \times Ra \mod p$			
(5) $\text{BitPerm}[Ra](m)$			
(6) $\text{Tab}[Ra](m)$			